

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

Applicant(s) : Rod Walsh , et al.

Group Art Unit: To be assigned

Serial No. : To be assigned

Examiner: To be assigned

Filed : December 24, 2003

For : AN APPARATUS, SYSTEM, METHOD AND COMPUTER PROGRAM PRODUCT  
FOR RELIABLE MULTICAST TRANSPORT OF DATA PACKETS

**INFORMATION DISCLOSURE STATEMENT**

Mail Stop Patent Application  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Sir:

This Information Disclosure Statement is filed in accordance with 37 C.F.R. §§1.56, 1.97 and 1.98. The items listed on Form PTO-1449, a copy of which is enclosed, are made of record to assist the Patent and Trademark Office in its examination of this application. The Examiner is respectfully requested to fully consider the items and to independently ascertain their teaching.

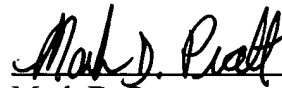
1. ☐ For each of the following items listed on the enclosed copy of Form PTO-1449 that is not in the English language, an English language translation of that item or a portion thereof or a concise explanation of the relevance of that item is enclosed:
2. ☐ For each of the following items listed on the enclosed copy of Form PTO-1449 that is not in the English language, a concise explanation of the relevance of that item is incorporated in the specification of the above-identified application.
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4. ☒ No fee is due under 37 C.F.R. §1.17(p) for this Information Disclosure Statement since it is being filed in compliance with:
- ☒ 37 C.F.R. §1.97(b)(1), within three months of the filing date of a national application other than a CPA; or
  - ☐ 37 C.F.R. §1.97(b)(2), within three months of the date of entry into the national stage as set forth in §1.491 in an international application; or
  - ☒ 37 C.F.R. §1.97(b)(3), before the mailing date of a first Office action on the merits; or
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- ☒ The Commissioner is hereby authorized to charge any additional fees which may be required for this Information Disclosure Statement, or credit any overpayment to Deposit Account No. 13-4503, Order No. 4208-4172.

Respectfully submitted,  
MORGAN & FINNEGAN, L.L.P.

Dated: December 24, 2003

By: \_\_\_\_\_



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| <b>FORM PTO-1449</b><br><br><b>INFORMATION DISCLOSURE CITATION</b> |  |  | Attorney Docket:<br>4208-4172 (Nokia 28848) |  | Serial No.:<br>to be assigned     |  |  |
|  |  |  | Applicant(s):<br>Rod Walsh et al.           |  | Examiner:<br>to be assigned       |  |  |
|  |  |  | Filing Date:<br>December 24, 2003           |  | Group Art Unit:<br>to be assigned |  |  |

| U.S. PATENT DOCUMENTS |    |               |                  |      |       |           |             |
|-----------------------|----|---------------|------------------|------|-------|-----------|-------------|
| Examiner Initial      |    | Patent Number | Publication Date | Name | Class | Sub-Class | Filing Date |
|                       | AA |               |                  |      |       |           |             |
|                       | AB |               |                  |      |       |           |             |
|                       | AC |               |                  |      |       |           |             |
|                       | AD |               |                  |      |       |           |             |
|                       | AE |               |                  |      |       |           |             |
|                       | AF |               |                  |      |       |           |             |
|                       | AG |               |                  |      |       |           |             |
|                       | AH |               |                  |      |       |           |             |
|                       | AI |               |                  |      |       |           |             |

| FOREIGN PATENT DOCUMENTS |    |               |                  |         |       |           |  |
|--------------------------|----|---------------|------------------|---------|-------|-----------|--|
| Examiner Initial         |    | Patent Number | Publication Date | Country | Class | Sub-Class | Translation  |
|                          | AJ |               |                  |         |       |           | <input type="checkbox"/> Yes <input type="checkbox"/> No |
|                          | AK |               |                  |         |       |           | <input type="checkbox"/> Yes <input type="checkbox"/> No |
|                          | AL |               |                  |         |       |           | <input type="checkbox"/> Yes <input type="checkbox"/> No |
|                          | AM |               |                  |         |       |           | <input type="checkbox"/> Yes <input type="checkbox"/> No |
|                          | AN |               |                  |         |       |           | <input type="checkbox"/> Yes <input type="checkbox"/> No |

| OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Papers, etc.): |    |   |
|--|----|---|
|  | AO | M. Luby et al., "Asynchronous Layered Coding (ALC) Protocol Instantiation," RFC 3450, The Internet Society, December 2002 (downloaded from <a href="http://www.ieft.org/rfc3450.txt">http://www.ieft.org/rfc3450.txt</a> ).   |
|  | AP | B. Whetten et al., "Reliable Multicast Transport Building Blocks for One-to-Many Bulk-Data Transfer," RFC 3048, The Internet Society, January 2001 (downloaded from <a href="http://www.ieft.org/rfc3048.txt">http://www.ieft.org/rfc3048.txt</a> ).  |
|  | AS | B. Adamson et al., "NACK-Oriented Reliable Multicast (NORM) Building Blocks," RFC 2026, The Internet Society, November 2003 (downloaded from <a href="http://www.ieft.org/internet-drafts/draft-ietf-rmt-bb-norm-08.txt">http://www.ieft.org/internet-drafts/draft-ietf-rmt-bb-norm-08.txt</a> ). |
|  | AT | B. Adamson et al., "NACK-Oriented Reliable Multicast (NORM) Protocol," RFC 2026, The Internet Society, March 2003 (downloaded from <a href="http://waterspring.org/pub/id/draft-ietf-rmt-pi-norm-06.txt">http://waterspring.org/pub/id/draft-ietf-rmt-pi-norm-06.txt</a> ).                       |
| Examiner   |    | Date Considered   |

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP §609.  
 Draw line through citation if not in conformance and not considered.  
 Include copy of this form with next communication to Applicant.